

FY 2000 Machine Studies Breakdown (Data through Run 2000-3)

Study Period	FY Totals
Start Date	
Scheduled Study/MI Time (hours)	1328.30
Machine Intervention	61.36
Resulting scheduled study time	1266.94
Downtime	170.24
Study Time Available	1096.70
Studies Availability	86.6%
Study Category	
Operations/Availability	232.99
Operational Readiness	44.77
BPM current dependency/offsets	55.38
Injection Trajectory	11.55
Controls Group Studies	8.58
Power Supply Group Studies	36.70
RF Group Studies	33.76
Training	11.40
BPLD Validation	30.85
SR Improvement	249.07
Dynamic Aperture	2.40
Physical Aperture Measurement	2.17
Lifetime	13.79
Chromaticity Measurement	20.14
Virtual Girder Displacement	6.79
Bunch Fill Pattern Preparation	10.71
New Lattice Development	42.64
Lattice Corrections	64.62
Emittance Improvements	10.70
ID Gap Effect Studies	19.66
Injection Improvement	31.46
Satellite Bunch Cleaning	7.58
Software Development	8.25
New Bunch Pattern Development	8.17
BPM Development	203.30
Broad Band BPM Studies	48.03
Narrow Band BPM Studies	20.82
X-ray BPM Studies	80.11
Other Diagnostics	54.34
Orbit Stability	97.69
Real Time Feedback	37.82
Slow Orbit Correction	29.80
Feedforward Studies	30.07
Intensity/Impedance	102.68
Impedance Measurements	16.32
Single Bunch vs orbit in cavities	23.58
Single Bunch Current Scans	32.69
Instability Other	30.09
Accelerator Research	83.29
Electron Cloud	8.30
4GL Studies	74.99
Top-up Studies	79.32
Top-up Studies with Users	22.05
Top-up Rad Studies	4.73
Top-up Injection Studies	46.67
Top up Diagnostics Testing	5.87
Shielding Studies	20.05
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